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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	 	Form PCT/ISA/220		
2003UR039	ACTION as well as, where applicable, item 5 below.			
International application No. PCT/US04/30669	International filing date (day/month/year) 20 September 2004 (20.09.2004)	(Earliest) Priority Date (day/month/year) 06 November 2003 (06.11.2003)		
Applicant				
EXXONMOBIL UPSTREAM RESEARCH COMPANY				
EXXONMOBIL UPSTREAM RESEARCH COMPANY This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of				
may, within one month from the drawings, a. the figure of the drawings to be as suggested by the as selected by the as selected by the as selected by the sel	ned, according to Rule 38.2(b), by this Authori om the date of mailing of this international sea one published with the abstract is Figure No. 2			

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/30669

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) : F25J 1/00; F02C 6/18, 6/00; F02G 3/00; F01D 15/10 US CL : 62/613, 611; 60/39.07, 39.05, 39.182, 39.3; 290/52 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols)					
U.S.: 62/613, 611; 60/39.07, 39.05, 39.182, 39.3; 290/52					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched None					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) None					
C. DOCU	IMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
Y	US 5,689,141 A (KIKKAWA et al) 18 November 1997 (18.11.1997), See entire document, especially column 6 lines 1-27.		1-11		
Y	us 5,491,969 A (COHN et al) 20 February 1996 (20.02.1996), See entire document.		1-11		
A	US 2001/0004830 A1 (WAKANA et al) 28 June 2001 (28.06.2001), See entire document.		1-11		
A	US 6,463,740 B1 (SCHMIDT et al) 15 October 2002 (15.10.2002), See entire document.		1-11		
A	US 6,393,867 B1 (GUILLARD) 28 May 2002 (28.05.2002), See entire document.		1-11		
Α	US 4,434,613 A (STAHL) 06 March 1984 (06.03.1984), See entire document.		1-11		
A	US 2003/0074900 A1 (MCFARLAND) 24 April 2003 (24.04.2003), See entire document.		1-11		
A	US 2002/0114985 A1 (SHKOLNIK et al) 22 August 2002 (22.08.2002), See entire		1-11		
A	document, especially paragraph 61. US 2003/0052485 A1 (POTEET et al.) 20 March 2003 (20.03.2003), See entire docuent.		1-11		
Further	r documents are listed in the continuation of Box C.	See patent family annex.			
Inter document published after the international filing date or priority		national filing date or priority date			
	t defining the general state of the art which is not considered to be of	and not in conflict with the application of principle or theory underlying the inven	tion		
particular relevance		"X" document of particular relevance; the cl considered novel or cannot be considered	aimed invention cannot be ad to involve an inventive step		
i	t which may throw doubts on priority claim(s) or which is cited to	when the document is taken alone			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious			
"O" document	t referring to an oral disclosure, use, exhibition or other means	to a person skilled in the art			
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed		amily			
Date of the a	Date of the actual completion of the international search Date of mailing of the international search report 1 6 F E B 2006				
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	ame and mailing address of the ISA/US Authorized officer		Wheeve for		
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International application No. PCT/US04/30669

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
		Relevant to claim No.		

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